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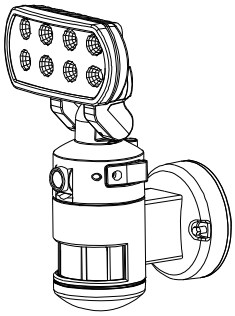
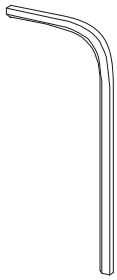
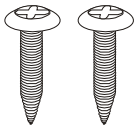
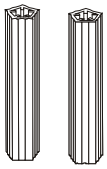
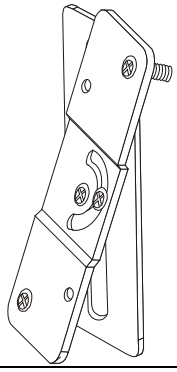
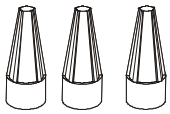
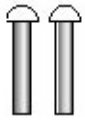
Contents of packaging

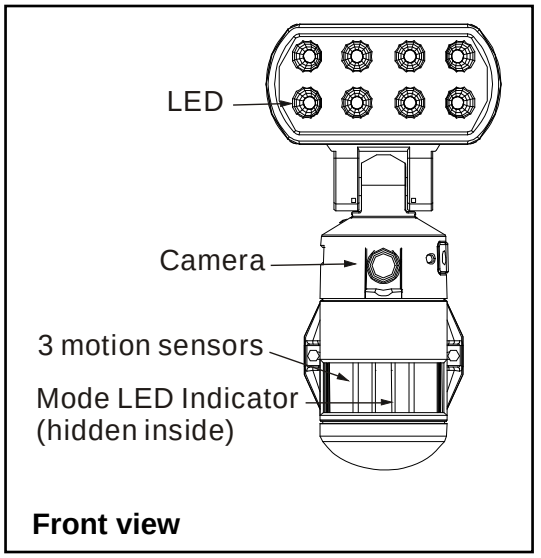
- Smart Tracker
- User Manual
- 1 Allen key
- Micro SD card and SD adaptor
- Accessory bag: 2pcs screws, 2pcs plastic masonry plugs, wall mount (cross bar), 3pcs wire nuts, 2pcs mounting screws

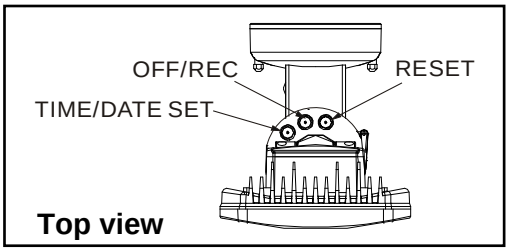
(User manual, allen key and Micro SD card are kept in one zip bag, please keep these accessories.)

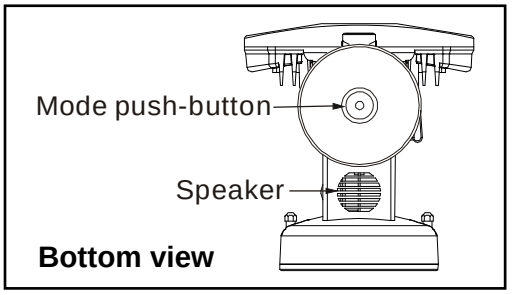
①	②	③	④
			
Smart Tracker	**Micro SD Card & SD adaptor**	**User Manual**	**Allen Key**

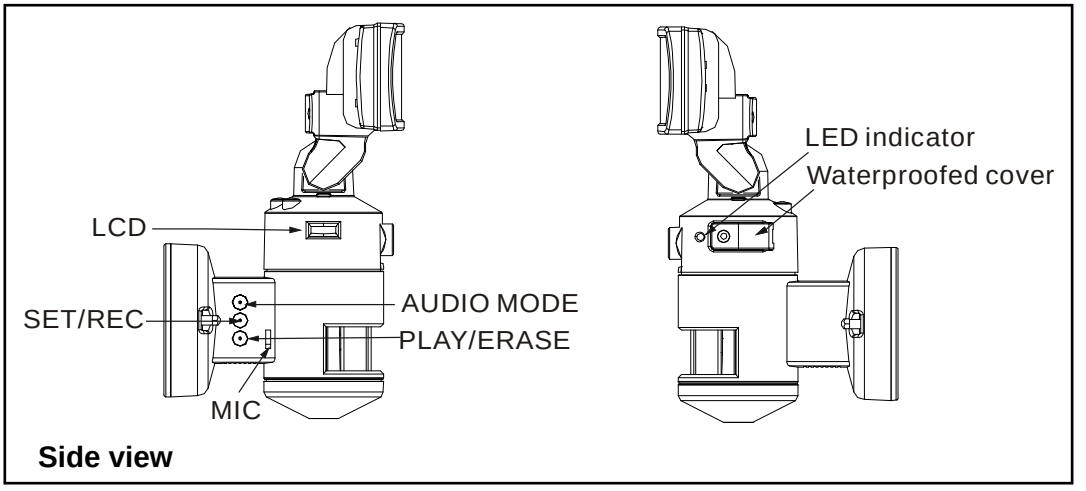
⑤	⑥	⑦	⑧	⑨
				
Screws	**Plastic Masonry plugs**	**Wall Mount (Cross Bar)**	**Wire nuts**	**Mounting screws**

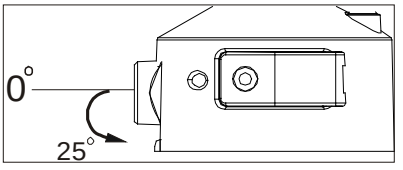
Smart Tracker overview



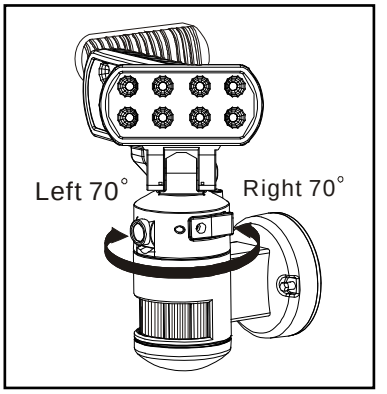








Camera adjustable down 25°



Step 1. Insert/remove Micro SD card (see fig. 1):

If Smart Tracker is powered on, press the push-button on the bottom of the unit for 3 seconds to stop the light turning before attempting to insert or remove Micro SD card. To resume operation, push the push-button again.

- Unscrew the waterproof cover using provided Allen key (# 4), then insert the Micro SD card (# 2) until it automatically locks into place.
- If you need to remove the Micro SD card (# 2), please press OFF/REC button and remove the card within 30 seconds.
- When LED light turns green, meaning Micro SD card (# 2) is being read, do not remove Micro SD card (# 2) or data may be lost.
- To remove Micro SD card (# 2), push in Micro SD card (# 2) once to eject, then pull out.

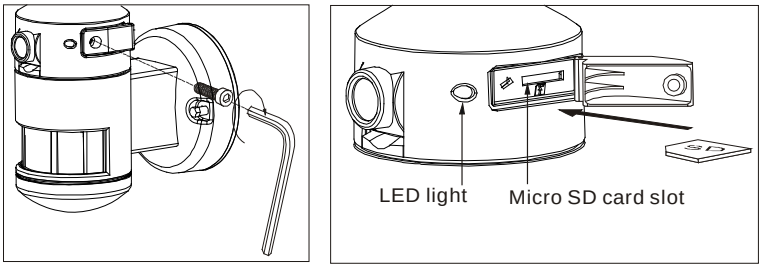


Fig. 1

Step 2. Installing the Smart Tracker

IMPORTANT

IF IN ANY DOUBT ABOUT THE INSTALLATION OF THIS PRODUCT, CONSULT A QUALIFIED ELECTRICIAN

- This product must be grounded
- Do not mount the unit against flammable surfaces
- The motion detector will not operate correctly if it is installed:
  - ① Near the outlet of a central heating boiler
  - ② Near air conditioning plant
  - ③ Pointing directly at moving vehicles
  - ④ Within sight of reflections from moving water
  - ⑤ Where other lamps could shine on the detector

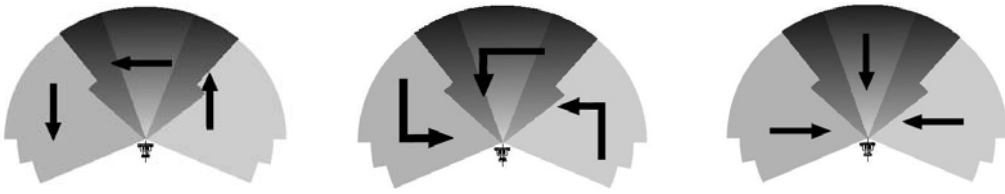
* BEFORE ATTEMPTING ANY INSTALLATION OR MAINTENANCE, ENSURE THAT THE ELECTRICAL SUPPLY IS SWITCHED OFF AND THE CIRCUIT FUSES REMOVED OR THE CIRCUIT BREAKER IS IN THE OFF POSITION.

* PLEASE MAKE SURE THE VOLTAGE AND POLARITY ARE CORRECT BEFORE CONNECTION. INCORRECT VOLTAGE MAY CAUSE ELECTRIC SHOCK. IF YOU ARE NOT SURE, PLEASE CONTACT YOUR RETAILER.

*** DO NOT REMOVE THE TAPE UNTIL YOU FINISH THE INSTALLATION. IF THE TAPE COMES OFF THE LIGHT, PLEASE REPLACE IT OR HOLD THE LIGHT HEAD TO AVOID SWIVELING AND DAMAGE THE PRODUCT.**

Note: It is recommended to mount Smart Tracker 6 – 7ft above the ground for optimum performance, do not mount the fixture below 3.94ft. See below figure for details of performance range.

TOP VEW



GOOD SENSITIVITY LESS SENSITIVITY

Fig. 2

Detection range: 32.8ft x 210°

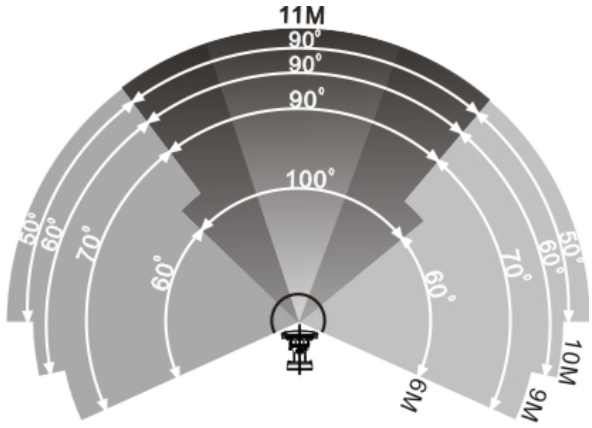


Fig. 3

Installation to a junction box using crossbar mount (see fig. 4 & fig. 5):

1. Attach the crossbar (# 7) to junction box and fix by screw A(# 9).
2. Connect the black wire (live wire) from the AC power cord to the single black wire coming from Smart Tracker using one of the supplied wire nuts (# 8).
3. Connect the white wire from the AC power cord to the white wire coming from Smart Tracker using one of the supplied wire nuts (# 8).
4. Connect the green/yellow wire from the AC power cord to the green/yellow wire coming from Smart Tracker using one of the supplied wire nuts (# 8).
5. Make sure the polarity is correct.
6. Attach the unit to the crossbar (# 7) and fix by screw B and screw C.

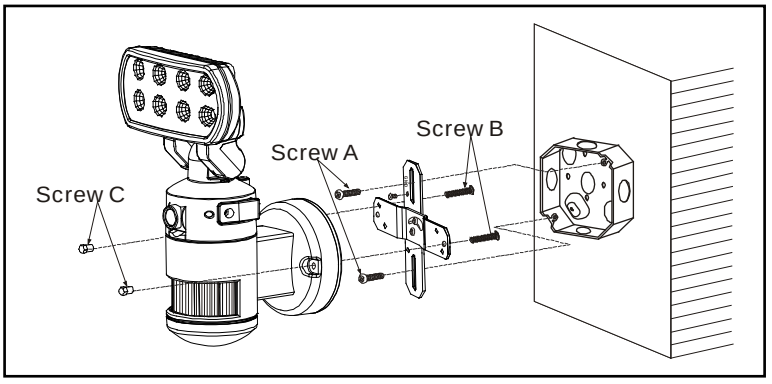


Fig. 4

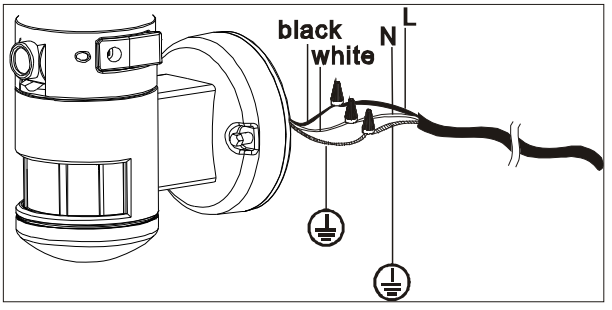


Fig. 5

Installing your Smart Tracker on surface without a junction box. (see fig. 5 & fig. 6)

1. Connect the black wire (live wire) from the AC power cord to the single black wire coming from Smart Tracker using one of the supplied wire nuts (# 8).
2. Connect the white wire from the AC power cord to the white wire coming from Smart Tracker using one of the supplied wire nuts (# 8).
3. Connect the green/yellow wire from the AC power cord to the green/yellow wire coming from Smart Tracker using one of the supplied wire nuts (# 8).
4. Make sure the polarity is correct.
5. Place plastic masonry plugs (# 6) into desired surface aligning holes as shown below. Using an electric screwdriver, fasten mounting plate directly to surface using screws (# 5).

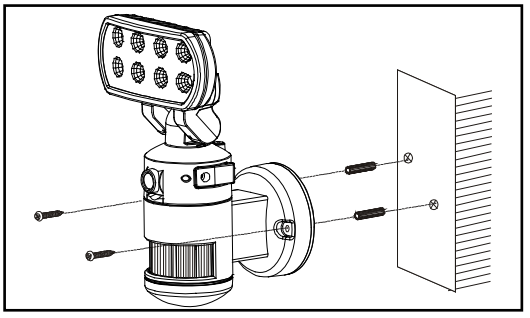


Fig. 6

Note: please see last page for the wiring instruction for Europe market

Please allow 1 minute warm-up time after switching on.
*** Push the RESET button after switching on.**

Remove plastic lens cover from camera and the tape after installation. (see fig. 7)

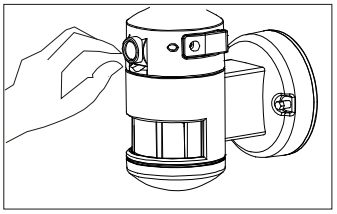


Fig. 7

Step 3. Adjusting the Settings (see fig. 8~11)

- **Selecting working mode :** Mode LED Indicator hidden inside the lens will display different LED lights when switching different modes. LED light will be off after 30 seconds.

  Mode 1: Perfect for a place of business (default setting)
  - Light at night + camera all day + speaker at night
  - Daytime: light is off, camera is on, speaker is off
  - Nighttime: light is on, camera is on, speaker is on

  Mode 2: Suggested setting when out of town
  - Light + camera + speaker: all day detection
  - Daytime and nighttime: light, camera and speaker are all in operation

  Mode 3: Suggested for day to day use
  - Light at night + camera all day + speaker in the daytime
  - Daytime: light is off, camera is on, speaker is on
  - Nighttime: light is on, camera is on, speaker is off

  * In Mode 3, after audio is triggered, no audio will be triggered in the following 30 seconds.

	Mode LED Indicator (hidden inside the lens)	Symbol
Mode 1	RED	
Mode 2	ORANGE	
Mode 3	GREEN	

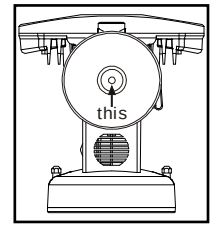


Fig.8

- **Camera LED indicator**：for indicating the function status of the unit by different color LED lights.

  1) Red： Micro SD card (# 2) is not inserted into the Micro SD slot or the system is malfunctioning.
  2) Green： The unit is recording.

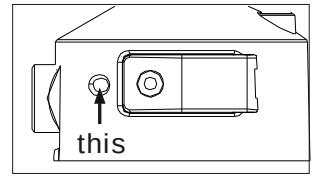


Fig. 9

3) LED off: stand by（Micro SD card is inserted into the slot）, when OFF/REC button is pressed.

* Before removing Micro SD card from the slot, please press the push-button on the bottom of the Smart Tracker for 3 seconds to stop the light turning. To resume operation, push the push-button again.

* Please note when OFF/REC button is pressed, remove Micro SD card (# 2) within 30 seconds (the LED will turn red after Micro SD card is removed from the slot)

- **Reset button**： restore functions to default settings
  1) Press RESET button once each time you turn on unit.
  2) Please press this button in case of system malfunction.
- **Off/Rec**：Please press OFF/REC button to remove Micro SD card (# 2). Please remove card within 30 seconds of pressing the OFF/REC button to avoid loss of data.
- **Audio mode:** for selecting which audio message will play when motion sensor detects movement.
  - Pre-set default is “silent mode”
  - Push one time for “doorbell chime”
  - Push again for “dog barking”
  - Push one more time for the message you recorded (Message 1)
  - Push again for additional message you recorded (Message 2 - you can record up to 2 messages at a time)

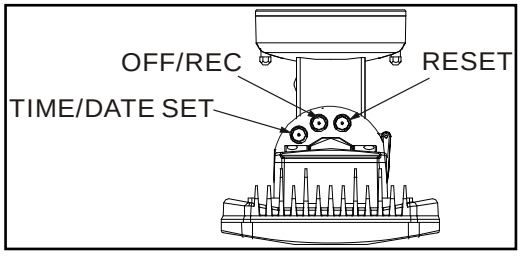


Fig. 10

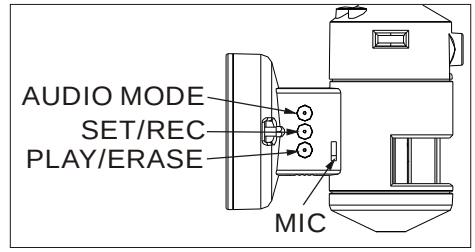


Fig. 11

Step 4. Recording Audio Messages (see fig. 11)

1. Press the SET/REC button for 3 seconds, and you will hear a single beep. After the beep, start recording your message by talking into the microphone (see fig. 11). Push the button again to stop recording, and you will hear a series of 2 beeps, meaning the recording is finished. If you do not push the button again after you have recorded the message, the recording will stop automatically after 10 seconds.
2. Smart Tracker can hold 2 self-recorded messages. If you have recorded one message, repeat above step for message 2.
3. If you hear a series of 3 beeps when you want to record your message by pressing the SET/REC button for 3 seconds, this means the self-recorded messages are full, please erase previous messages.

- **Play/Erase :** allows you to listen to and erase messages (see fig. 11)

i. If you have only recorded 1 message, push the button one time to listen to recorded Message 1. If you wish to erase it, press the PLAY/ERASE button and hold it for 3 seconds. You will hear a series of 2 beeps, indicating the message has been erased.

ii. If you have recorded 2 messages, push the button one time to listen to the first message, and push it again to listen to the second message. If you want to erase a message, select that message, and after listening to it, push the PLAY/ERASE button and hold it for 3 seconds to erase it.

iii. If message 1 is erased, message 2 will automatically become message 1. The next message you record will then become the new message 2.

Step 5. Set the Date and Time：

This will allow the security video taken by Smart Tracker to display the correct date and time it was taken.

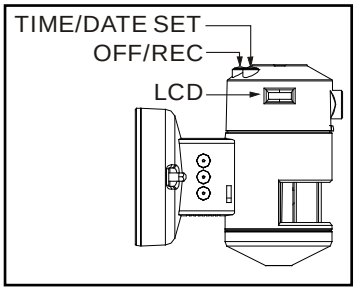


Fig. 12

1. Push TIME/DATE SET button (see fig. 14) for 3 seconds. The LCD screen will then flash 3 times, indicating you have entered Time/Date setting mode.
2. **"YEAR"setting**："Y" and "08" are displayed on the screen; push the button to set year from "08-99", push the button again and hold for 3 seconds to scroll through numbers quickly. If you have not pressed the button for 3 seconds, it will automatically save the year and go on to allow you to set the month.
3. Repeat the same setting procedure for **MONTH/DATE/HOUR/MINUTE**.
4. **"VIDEO/PHOTO "setting**：when entering this mode, these two icons and "V" appear on the screen；push the button to choose "V"（Video）or "P"（Photo）. If you have not pushed any buttons for 3 second, "OK" will appear on the screen, indicating it has automatically saved the current settings. The LCD screen will shut off automatically 10 seconds later.

* On the "P" (photo) setting, Smart Tracker will take a series of digital photographs at a rate of 3 photos every second when the motion sensor is triggered

①	**Start**	②	**YEAR Setting**
③	**MONTH Setting**	④	**DATE Setting**
⑤	**HOUR Setting**	⑥	**MINUTE Setting**
⑦	**VIDEO/ PHOTO Setting**	⑧	**Finish**

Step 6. Viewing video

1. Viewing image by computer through a card reader (see fig. 13)

- Open the waterproof cover on the Smart Tracker.
- Press OFF/REC button and remove Micro SD card (# 2) from the slot.
- Put the Micro SD card (# 2) into a card reader, connect card reader to computer, and open any media player to view the video.

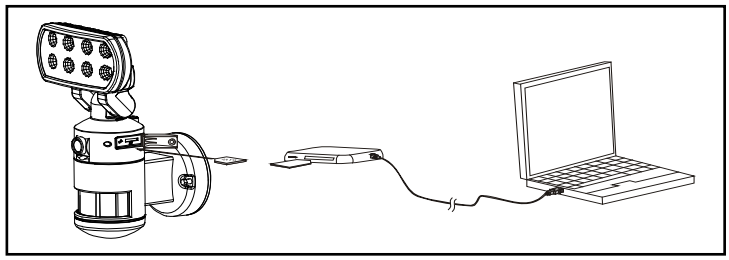


Fig. 13

Technical Specifications

1. Features and specification：

- PIR detection angle 210 Deg and detection range up to 32.8ft
- Records 20 seconds image recording for image stream: 10fps at 640*480 Pixels
- Built in Micro SD card slot for Micro SD memory card
- Micro SD card slot for additional storage, max memory size up to 2G
- Micro SD card spec.: FAT
- Automatic exposure control, white balance and sharpness
- Auto Date & Time stamp
- Effective viewing angle：60 deg
- Effective viewing distance: 26.24 feet
- Image format: JPEG AVI File
- Powered by AC 100V to 240V（subject to requirement）
- 8pcs 1W Nichia super power white LED
- Auto light sensor.
- Lifetime of stepper motor: 20,000 times turning
- Product measurements：(L) 6.28” x (W) 6.77” x (H) 11.22” Net weight: 1.2kgs

General Information and safety

Special care instructions!!!

- The Smart Tracker is designed to be weather resistant. Never attempt to immerse the unit in water or any other liquid. This will damage the unit and void the warranty.
- This product is designed to illuminate, video, and make verbal announcements. It will not prevent the commission of any act, legal or illegal. The manufacturer assumes no liability for any damage to property, injury to person, or death.
- Use a soft lens cloth for cleaning lens. Avoid touching lens with fingers.
- Remove dirt or stains with a soft cloth dampened with water or neutral detergent. Keep the Smart Tracker in a dry and cool dust-free environment or container when it is NOT used
- Do not open the Smart Tracker for unauthorized service. This could cause serious damage to the unit and will void the warranty.
- This Smart Tracker is a precision electronic device. Do not attempt to service this camera yourself, as opening or removing covers may expose you to the danger of electric shock or other risks.

FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modification to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limited for Class B digital device, pursuant to Part 15 of the FCC Rules. Their limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FAQ (Frequently Asked Questions) Section

Q. How many pictures does the Micro SD card hold?

A: The number of video files that amount to 1GB varies, as the size in bytes of each 20-second video clip will vary depending on the amount of brightness, color, and movement in each video clip. The clips typically vary from 2MB to 8MB.

Micro SD Card	File Size	Q'ty of File(approx.)
1G	2Mb	500
1G	8Mb	125
2G	2Mb	1000
2G	8Mb	250

Q. What happens when the card is full?

A: Smart Tracker will automatically return to the oldest file and save over it each time a new video clip is stored. That means you don't have to take out the Micro SD card unless you wish to review or save the video files.

Q. Can I transfer pictures from the camera via cable?

A: No, you can't. If your computer has an SD card slot, you may insert the Micro SD card directly into the computer and access the files by going to My Computer and opening the removable for the Micro SD card, which should appear when you insert the card. See Step. 6 "Viewing video" in your instruction manual for details. If you don't have an SD card slot, you may purchase an SD card reader from any retailer that sells electronics. Once you have an SD card reader, simply insert the card into the reader and attach the reader to your computer using a USB slot (not included in this packaging), and access the data the same way as explained above.

Q. Can I view a live image of what the camera sees?

A: No, you can't. There is no USB port available with Smart Tracker.

Q. What does that mean if the hidden LED flashes in orange light?

A: The LED flashes in orange light indicating the stepper motor of Smart Tracker is now in abnormal status, the light may stop turning automatically. Please simply switch off /on the main power to resume the Smart Tracker. Make sure you push OFF/REC first to stop recording before switching off the main power. Below are the possible abnormal situations:

- External force: the light head is blocked by objects or is blown by strong wind and is unable to turn properly. The hidden LED indicator will flash in orange to signal users the abnormal situation.
- Stepper motor: when stepper motor is going to be out of its lifetime or is damaged, the hidden LED indicator will flash in orange to signal users the abnormal situation.

* If the stepper motor stops working due to lifetime limit, the Smart Tracker becomes a regular motion sensor security light.